

Refer to $\triangle XYZ$ to find each value below.

Give exact answers rounded to the nearest thousandth.

1) $\sin Y$ _____

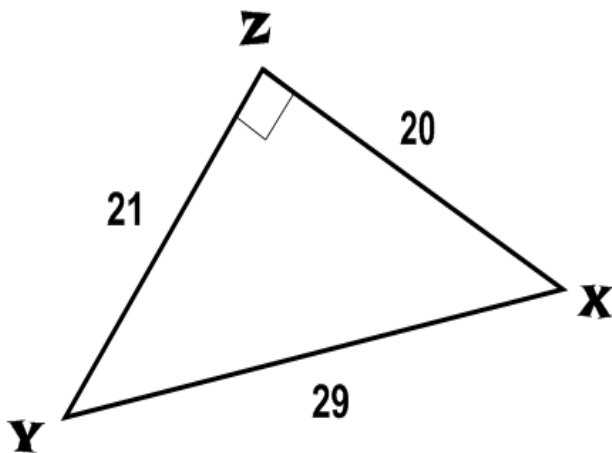
2) $\sin X$ _____

3) $\cos Y$ _____

4) $\cos X$ _____

5) $\tan Y$ _____

6) $\tan X$ _____



7) $\csc Y$ _____

8) $\csc X$ _____

9) $\sec Y$ _____

10) $\sec X$ _____

11) $\cot Y$ _____

12) $\cot X$ _____

Match the trigonometric function with its corresponding x or y value.

13) $\sin \theta$ _____

a) $\frac{x}{y}$

14) $\cos \theta$ _____

b) $\frac{1}{x}$

15) $\tan \theta$ _____

c) x

16) $\cot \theta$ _____

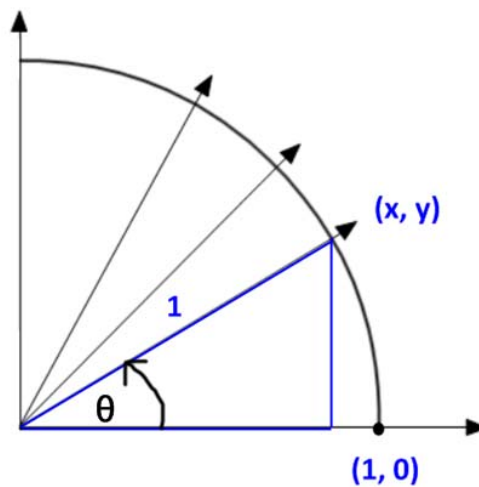
d) $\frac{1}{y}$

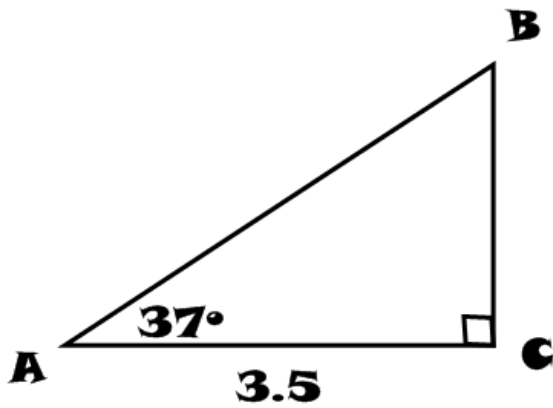
17) $\csc \theta$ _____

e) y

18) $\sec \theta$ _____

f) $\frac{y}{x}$





**Find the missing measurement.
Round to the nearest thousandth.**

19) Find **BC** _____

20) Find **AB** _____

21) Find $\angle ABC$ _____

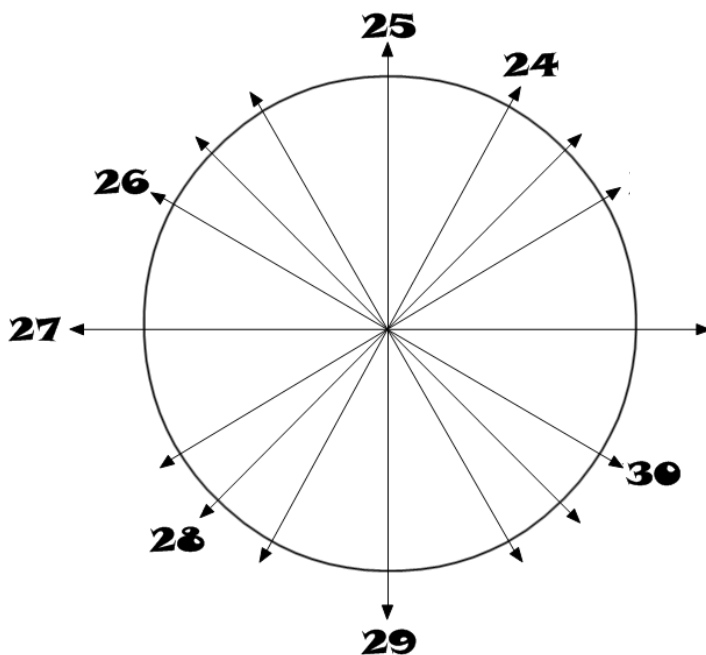
A 12 foot ladder leans against a wall with an angle of elevation of 55° .

22) How far is the base of the ladder from the wall?

23) How far up the wall does the ladder reach?



Label with the correct degrees:



24) _____

25) _____

26) _____

27) _____

28) _____

29) _____

30) _____